



WHERE  
**IRON AGE** FARM AND GARDEN  
ARE MADE. IMPLEMENTS

**BATEMAN MFG CO.,**

Established 1836 GRENLOCH, New Jersey, U. S. A.

*Tools are carried in stock at centers of distribution.*

*Liberal stocks of suitable tools for each vicinity are carried by the best class of implement and hardware dealers in the country.*

*If not handled by your local dealer, write us for nearest address where tools can be seen and explained.*



CULTIVATING CANTALOUPE, AFTER SEEDS HAVE BEEN TURNED  
EAST BEFORE SPRAYING

# Right and Frequent **CULTIVATION** is so important that it is necessary to have **Good Tools**

*They mean* **ECONOMY** and **BETTER CROPS.**

*This line of*  
**HORSE HOES AND CULTIVATORS**  
*is of interest to*  
**MARKET GARDENERS, GENERAL FARMERS**  
**FRUIT GROWERS, SUGAR BEET FARMERS**



*Small circular inset showing a man using a hand tool to cultivate cantaloupes.*



# The Use of **IRON AGE** HORSE HOES, CULTIVATORS AND HARROWS Means True Economy to the Modern Farmer

The one horse tool is not the least necessary of the modern farmer's machine equipment—many cannot use riding cultivators to advantage—most farmers find many times and many places where the one horse machine is

**more convenient,  
more practical, and  
more economical.**

These tools wear—on the back cover we show one of the first **Iron Age** cultivators—it is still in use and there are hundreds of thousands in all parts of the world from one to thirty years old.

Here is a complete line—something to suit your needs exactly—a great variety of tools and equipment. They are built-up tools—that is, they can

be purchased in their simplest forms and other equipment and attachments added later as you have new work to do or new conditions to meet.

The many modern attachments are, in most cases, made to fit not only present day machines but old style as well. If you have old Iron Age tools, it will pay you to investigate.

These tools have the right adjustments for thorough work in potatoes, corn, beans, peas, tomatoes, melons, peppers, berries, bushes, sugar beets, and so on without end.

Our points and steels are all made from the highest grade of material. Points are upset at the back of each point, giving double the wear. See inside back cover for list.

Poor or worn out tools are waste of time and mental energy—don't use them, when you can buy tools like these at such low prices.

**BATEMAN MFG  
CO.,  
GRENLOCH,  
NEW JERSEY,  
U. S. A.**

Ask for our Garden Tool booklet showing 38 or more styles and combinations of hand tools.



Horse Hoe and Cultivator in Lima Beans



# IRON AGE No. 6 Horse Hoe and Cultivator

Built to meet the common and uncommon needs of every truck farmer, and the general needs of every farmer. You can purchase the tool in its simplest form and build up to whatever your ground and crops need.

**Simplicity, strength, rigidity, compactness, lightness and convenience,** are the results obtained in this line. These are all absolutely necessary because this kind of tool is usually operated by the hired man—they are one-horse tools; they are in constant use and they must last forever, almost.

The long, high, steel frame makes the tool run steady and clear of trash.

The hoe standards are solid steel, securely attached to the frame bars by malleable ratchet castings—these give several easy adjustments to the side hoes, side-wise and at different angles.

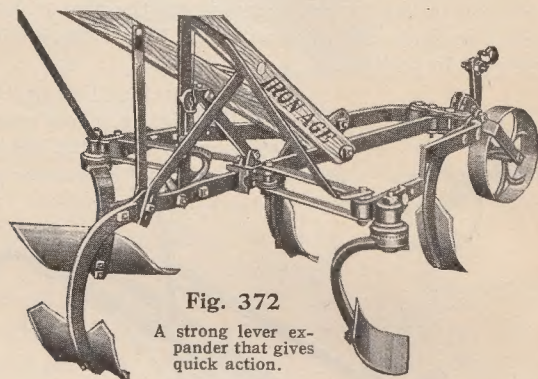


Fig. 372

A strong lever expander that gives quick action.

Hoes can be reversed for hoeing or changed from side to side with points forward, for covering. (See Fig. 104, page 3.)

**Range of cultivation.** When used as cultivator, expands to 30 inches and closes to 14. Teeth attached to hoe standards in same position as side hoes in Fig. 80, are 11 inches apart.

**Lever expander.** Fig. 372. Changes the tool instantly, while in motion, to any width within range. The bars, lever,

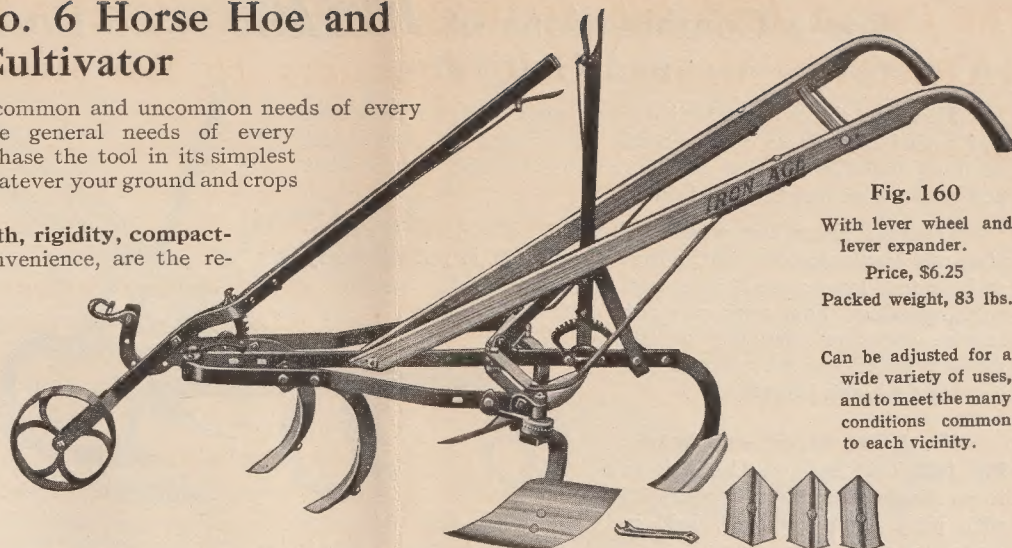


Fig. 160

With lever wheel and lever expander.

Price, \$6.25

Packed weight, 83 lbs.

Can be adjusted for a wide variety of uses, and to meet the many conditions common to each vicinity.

and braces are steel with malleable fittings—works smoothly. Has never been changed.

**Lever wheel.** Fig. 160 shows this, at times, a very necessary attachment—regulates the working depth while in motion. Saves time.

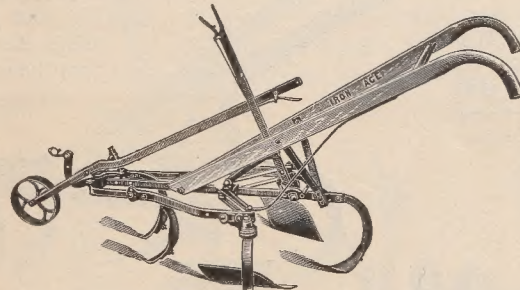


Fig. 167

No. 6 set for close hoeing.

For close hoeing, No. 6 may be set as in Fig. 167—side hoes are reversed with rounded edge forward—also to take away soil from a ridged crop.

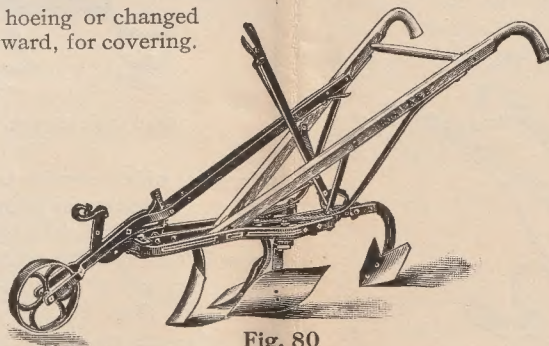


Fig. 80

No. 6 shown as a furrower.

As a furrower for manure, etc., No. 6 can be set as in Fig. 80 with the ratchet castings reversed on inside of the frame bars, bringing the hoes together.

Many other combinations and attachments are shown on succeeding pages.



## Some Combinations of **IRON AGE** No. 6 Horse Hoe and Cultivator

This page shows two additional forms of No. 6, both popular and both built to suit certain needs. They emphasize the point we have made before, that in this line you can purchase just what you need and no more is forced on you.

**Without lever for wheel.** Fig. 100. This is merely dropping one convenience which, however desirable, is not necessary and the tool loses none of its actual working value. Your work may not require constant changing of the working depth—so why should you buy the tool with lever?

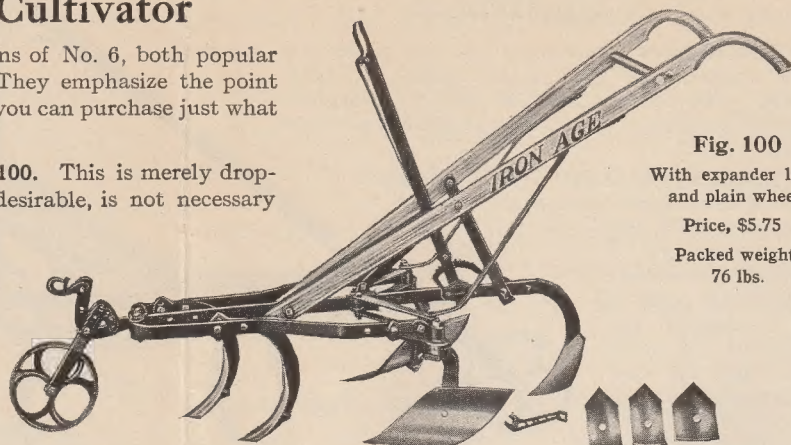
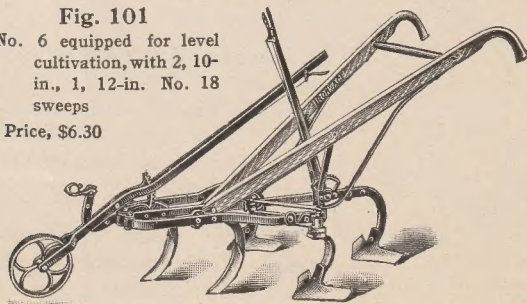
**Without lever expander.** Fig. 102. This brings the No. 6 down to its simplest form. It is equipped with plain expander bars, held in place by a steel stirrup clamp. While this is not so convenient for adjustment, it is more rigid and makes the most durable form of horse hoe—it will stand the rough knocking around of careless or green men. Is that the kind of men you have to

**Fig. 102**  
With plain wheel  
Price, \$5.00  
Packed weight,  
68 lbs.

buy for? A straight-ahead tool for straight-ahead men, and even money buys it.

**To make wide, shallow cut,** the tool is equipped with No. 18 sweeps as in Fig. 101. This gives the shallow level cultivation, which most farmers think is the right

**Fig. 101**  
No. 6 equipped for level cultivation, with 2, 10-in., 1, 12-in. No. 18 sweeps  
Price, \$6.30

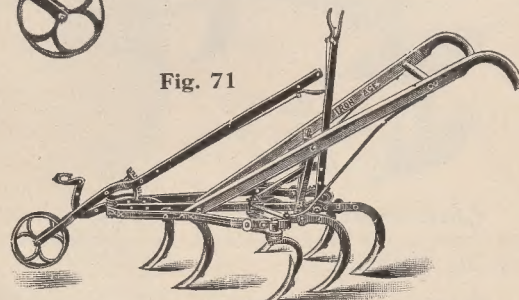


**Fig. 100**  
With expander lever and plain wheel  
Price, \$5.75  
Packed weight,  
76 lbs.

way to keep the moisture in the ground. The sweeps can be set to run deeper and can be used in various combinations. They are used a great deal for cutting out thistles. Made in 8, 10, 12 and 15 inch widths (see inside back cover). Can be applied only on No. 6. Prices, 28, 32, 38 and 45 cents each, respectively.

**To close furrows.** Fig. 71 shows the No. 6 as a seven-tooth cultivator, or in other words the regular No. 6 set as a five-tooth cultivator with Fig. 180, furrow-closing attachment in position.

On a five-tooth cultivator, that rear tooth on each side bar passes close to the crop—it stirs the soil just where it is needed but leaves an open



No. 6 as a cultivator, with furrow-closing attachment  
Price, complete, \$6.75

furrow, which should be closed. This is especially true when the cultivator is opened wide and the center tooth or sweep cannot close the furrow. This attachment does it. You can buy as a seven-tooth machine (Fig. 71) or as an attachment to complete machine already in use.

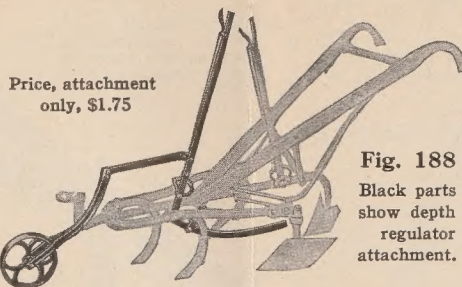


**Fig. 180**  
Furrow-closing attachment  
Price, \$1.25



# Attachments for *IRON AGE* Horse Hoes and Cultivators

With the depth regulator attachment, as applied in Fig. 188, and adjustment of the front lever, you can quickly change the working depth of the cultivator. Wheel and regulator work together, but either may be adjusted separately. Set the regulator at its extreme depth and you can raise the cultivator from the ground entirely and draw it easily to and from the field. Can be applied to Nos. 6, 1 and 36. Price, No. 6, complete with Fig. 188, \$7.00.



Price, attachment only, \$1.75

Fig. 188  
Black parts show depth regulator attachment.

Vine lifters, easily attached as in Fig. 73, are used in all vine and brush crops but principally in working sweet potatoes. Can be applied only on Nos. 6 and 1.

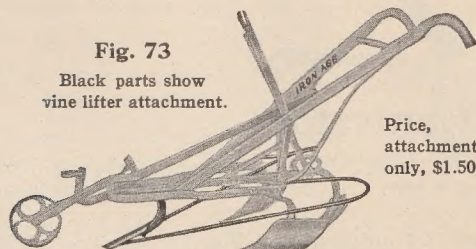


Fig. 73  
Black parts show vine lifter attachment.

Price, attachment only, \$1.50

The hilling attachment, shown in Fig. 103, is used in cases where higher ridging is wanted than the regular side hoes can do. To apply, simply remove four standards, attach one of them on the middle bar and the short standards of the hilling blades to the side bars. We do not furnish any cultivator standard with this attachment. Can be applied on Nos. 6 and 1.

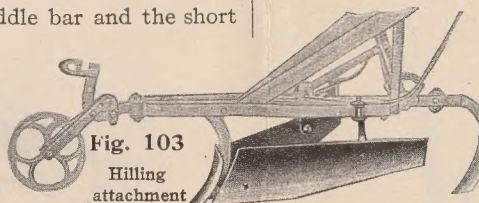


Fig. 103  
Hilling attachment

Price, attachment only, \$1.50

The leveler is applied as shown in Fig. 104. Is used on the horse hoe when covering corn, potatoes, peas and other like crops. Also, in making up rows for root crops, etc. The side hoes are reversed for covering. Can be used on any Iron Age Horse Hoe.



Fig. 104  
Price, attachment only, \$1.00

Covering attachment at the rear.

## Runner attachment, Fig. 105.

When the tool is used as a coverer, steel runners can be attached in place of the wheel—this steadies the tool and there is no chance of displacing seed, as with the wheel. Using two horses would be still better—they would be each side of the row and not on it. The runner attachment can be used on any Iron Age Horse Hoe.

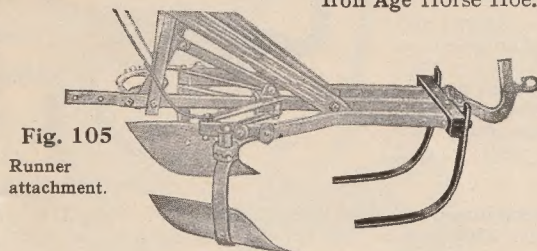


Fig. 105  
Runner attachment.

Price, attachment only, \$1.00

## Side hoe attachments. Fig. 211

shows set of side hoe parts complete for No. 35 Weeder and Cultivator. They will fit any Iron Age Horse Hoe and Cultivator, except No. 38, for which we furnish Fig. 212.



Fig. 211 Price, \$1.00

This also will fit any Iron Age Horse Hoe and Cultivator except No. 35.



Fig. 212 Price, \$1.00

Both brackets and standards are adjustable so the hoes can be set for angle and depth.

## Break pin tooth clamp, Fig. 250. It provides for

use of a wooden pin in the upper end of the cultivator standard instead of a bolt. When the tooth strikes an obstruction, the pin breaks and the standard is not even bent. The clamp holds the standard firmly in place. Will fit any Iron Age five or seven-tooth cultivators.

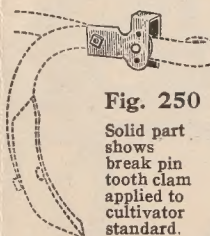


Fig. 250  
Solid part shows break pin tooth clamp applied to cultivator standard.

Price, \$0.10  
Set of 5, \$0.50



## IRON AGE No. 1 Cultivator

A plain five tooth cultivator. Fig. 10. Because it is plain, strong and simple, it is the best tool to sell in sections where a strong, low-priced tool is needed, where laborers are careless or do not know how to handle machines.

When set to do certain work it does that work—it cannot get out of adjustment.

A plain clamp expander adjusts the width at which the teeth are to work—they open to 24 inches and close to 9, range enough for a wide variety of crops.

Low in price, but not cheap grade—there are few parts—levers and wheels and side hoes cost money—they can be used on this tool when wanted, but you buy only what you should have.

Attachments. Figs. 188, 73, 103, 104, 105, 211 (or 212) and 250, page 3, can be used on any form of No. 1.

Builds up into all of the various combinations, such as lever expander, lever wheel and plain wheel.

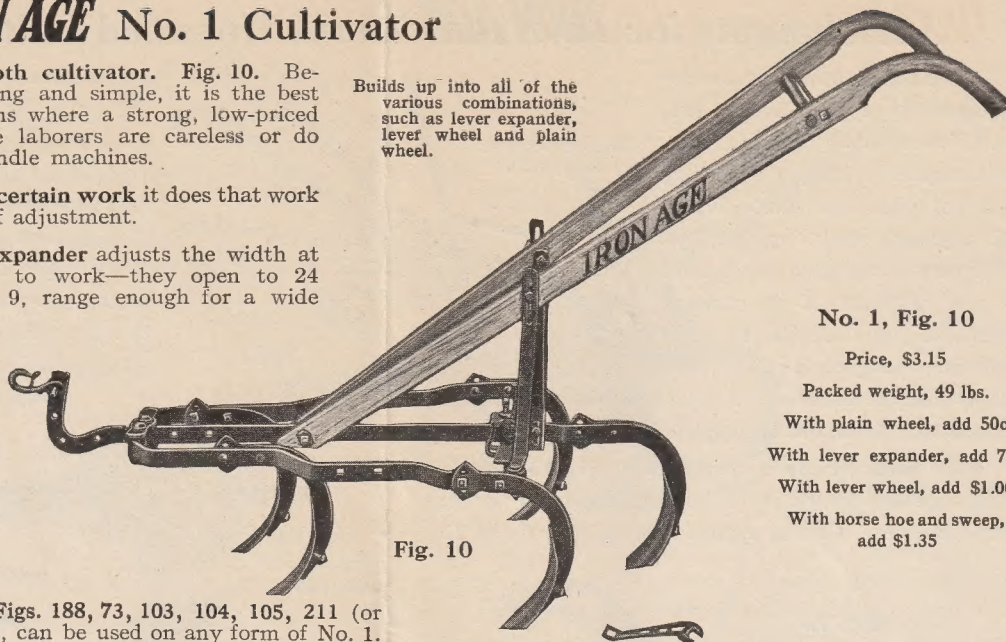


Fig. 10

No. 1, Fig. 10

Price, \$3.15

Packed weight, 49 lbs.

With plain wheel, add 50c

With lever expander, add 75c

With lever wheel, add \$1.00

With horse hoe and sweep, add \$1.35

## No. 1 Seven Tooth Cultivator

For first workings or in level cultivation, a tool of this kind (Fig. 57) is needed. Narrow teeth are used—they run deep but throw small furrows that do not harm the young plants. Cultivation is done thoroughly under all conditions of the soil.

Built up from the frame of Fig. 10 with narrow teeth and seven of them instead of five. The frame is punched to take the extra teeth, so that they can be used as needed. Handles are trussed on this tool.

Size of teeth. When shipped regular, No. 1 teeth (2 inch) are sent. No. 0 teeth ( $1\frac{1}{4}$  inch) can be furnished if wanted.

Range of cultivation. Fig. 57 opens to 24 inches and closes to 10. Has lever expander.

Lever wheel will be shipped in place of the plain wheel when ordered that way.

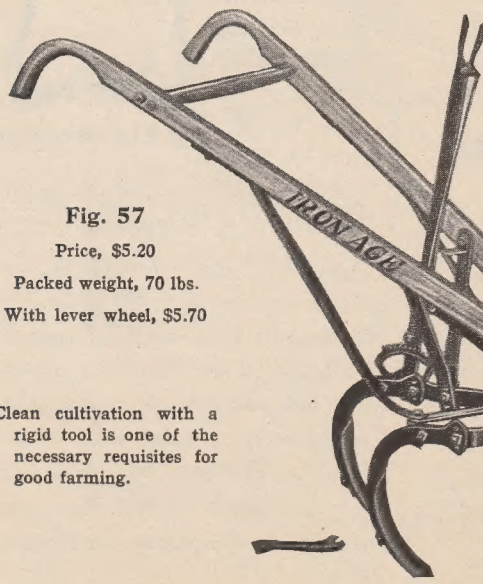


Fig. 57

Price, \$5.20

Packed weight, 70 lbs.

With lever wheel, \$5.70

Clean cultivation with a rigid tool is one of the necessary requisites for good farming.

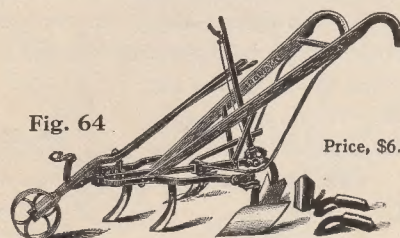


Fig. 64

Price, \$6.25

## No. 1 Horse Hoe and Cultivator

The complete tool is shown in Fig. 64, with lever wheel, lever expander, horse hoes and rear steel; also, the extra teeth and standards that convert Fig. 64 back to Fig. 10. The additional parts make the machine more convenient and, in the end, more economical.

See 9 tooth form of this tool on opposite page.



# IRON AGE No. 1 Nine Tooth Cultivator with Lever Expander

This is the newest form of No. 1 and will be found invaluable to thousands of farmers. Better cultivation is what your progressive customers are seeking—this tool is a means to that end and you have only to bring it to their notice. They know its worth.

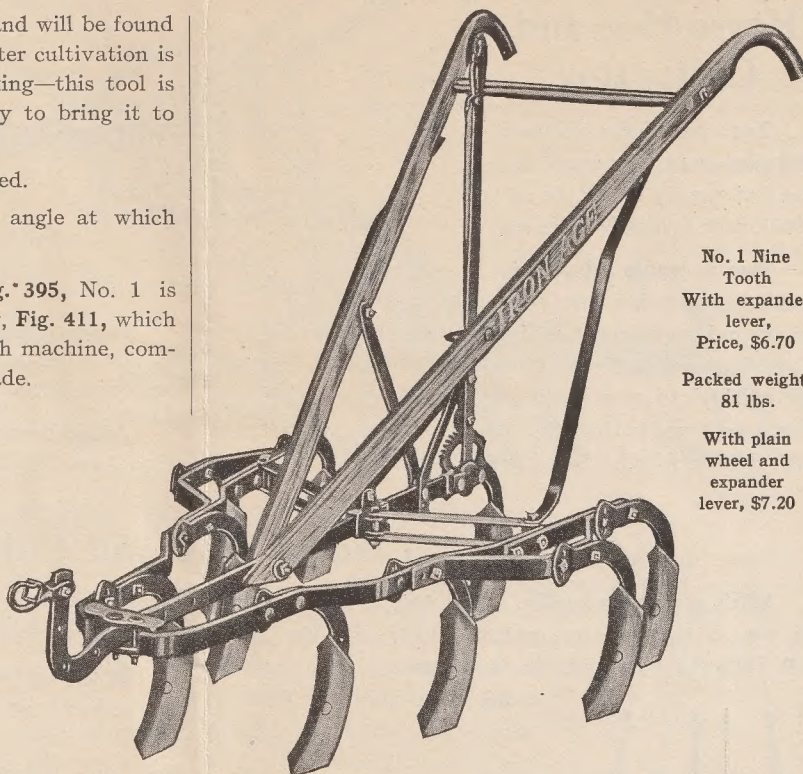
Furnished with plain wheel, if needed.

Opens wide. Teeth adjustable for angle at which they enter the ground.

With nine tooth attachment, Fig. 395, No. 1 is changed to a complete 9 tooth cultivator, Fig. 411, which can be used as a five, seven or nine tooth machine, complete in each form; all changes easily made.

Its greatest advantage lies in the fact that the rear tooth on each side fills in the furrow made ahead of it, next to the crop. The hot sun and wind absorb moisture—this will be bad for the roots of the crop if the furrow is left open—it is to your interest to know about this tool.

Range of cultivation. Fig. 411 opens to 36 inches and closes to 21. On account of its wide spread it can be used to advantage as an orchard cultivator. Has lever expander.



No. 1 Nine Tooth  
With expander  
lever,  
Price, \$6.70

Packed weight,  
81 lbs.

With plain  
wheel and  
expander  
lever, \$7.20

Fig. 411

Price, attachment  
only, \$2.00

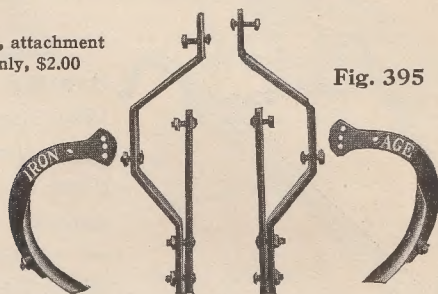


Fig. 395

The attachment, Fig. 395, will fit any No. 1 Cultivator, but extra standards and points to complete the seven tooth machine should be ordered in addition to Fig. 395. Also, note that Figs. 57, 395 and 411 take No. 1 points, and where old No. 1 is changed to nine tooth, the points should be alike, just whichever is wanted. We recommend No. 1 points.

## No. 5 Orchard Cultivator

Used extensively in peach orchards and orange groves, but is suitable for work in any orchard where the branches do not spread wide or hang low. A moderate priced, nine tooth machine.

Built for the purpose, with special frame to carry the extra teeth—it is rigid and the teeth have good clearance.

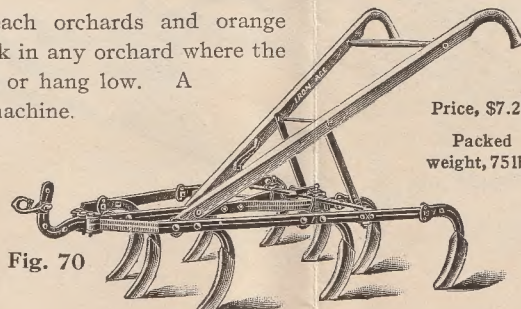


Fig. 70

Price, \$7.25

Packed  
weight, 75 lbs.

Range of cultivation. Spreads to nearly four feet and closes to 20 inches. Can be equipped with plain wheel, \$7.75, or lever wheel, \$8.25, but with clamp expander only.

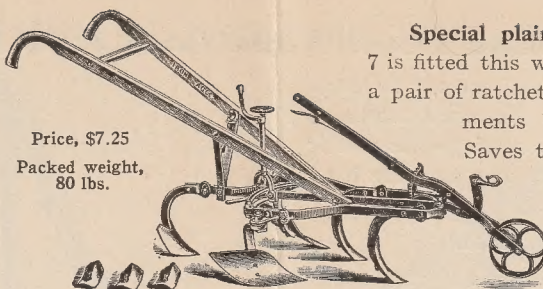
Attachments. Figs. 104, 105 and 211 (or 212) can be used on this tool. (See page 3.)



## IRON AGE No. 7 Horse Hoe and Cultivator

For particular farmers and gardeners, who want their tools set exactly so, for the cultivation of a variety of crops.

Has a crank wheel expander which has the good points and overcomes the disadvantages of lever and old-style clamp expanders. The wheel adjusts the cultivator quickly, to any width within the range. One side may be set wider than the other, but both are fastened with the one wheel. Same as No. 6, otherwise.



Price, \$7.25  
Packed weight,  
80 lbs.

Fig. 161

With crank wheel expander.

**Special plain wheel adjustment.** When No. 7 is fitted this way, the wheel is held in place by a pair of ratchet castings which allow nice adjustments by slight loosening of the nuts. Saves three-fourths of the time in making adjustment.

Price, with  
this wheel,  
\$7.00

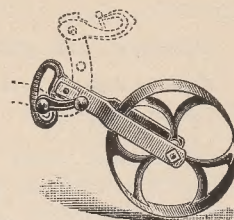


Fig. 238

**Range of adjustment.** Opens to 30 inches and closes to 14 or narrower (same as No. 6).

**Attachments.** Figs. 104, 105, 211 (or 212), 250 on page 3 and Fig. 180, page 2, can be used on this tool.

## No. 8 Horse Hoe and Cultivator

**With screw expander.** (Fig. 166.) This tool can be set at the required width exactly and the screw will hold the bars rigid in their places. The slightest change can be made if necessary—that is the principle of the screw. A pawl worked in a ratchet would allow only for a certain amount of change for each cog.

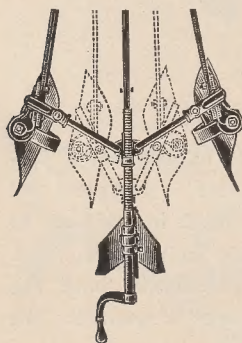


Fig. 166

Screw expander holds the hoes exactly where you want them. Note also set screws referred to above.

**An additional set-screw adjustment** (Fig. 166) for the connecting rods of the ex-

pander gives No. 8 another distinct advantage. Each side can be set separately for wide or narrow rows.

**In going twice to the row.** The operator can set the tool with right hand bar in, so that the rear tooth will fill in the furrow left by the front outside tooth next to the crop. Otherwise, the sun and wind would dry out the roots.

**Range of cultivation.** (Fig. 166.) Expands to 28 inches and closes to 9. The standards can be set together and the side hoes adjusted to form a double moldboard plow, for opening furrows.

**Attachments.** Figs. 104, 105, 211 (or 212) and 250, on page 3, can be used on this tool.

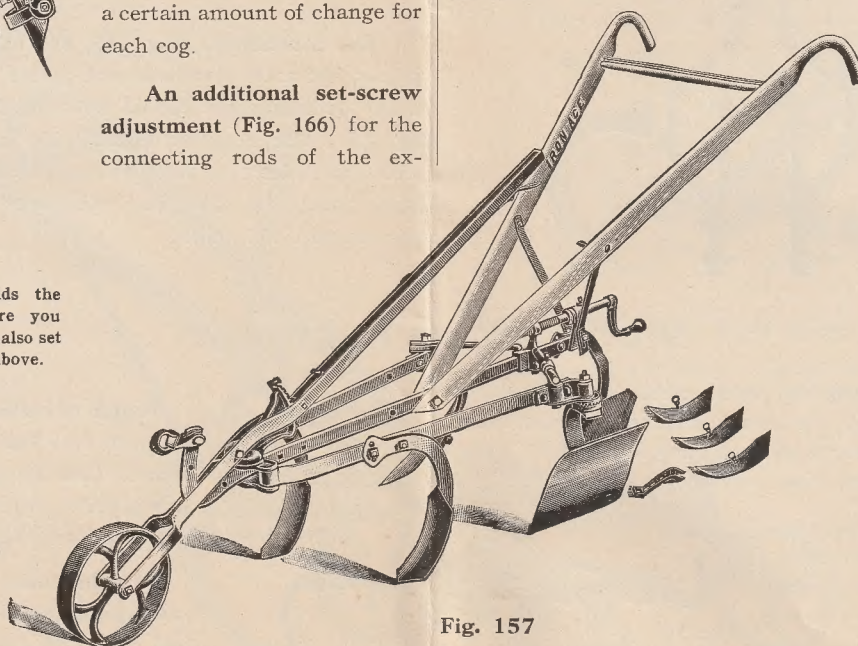


Fig. 157

Fig. 157

Price, \$7.25  
Packed weight, 83 lbs.  
Price, with plain  
wheel, \$6.75



## IRON AGE No. 35 Weeder and Cultivator

**For sugar beets.** This tool is a great favorite with growers because it is built for that purpose—has the proper equipment, adjustments and combinations to handle the crop throughout its growth. Is also used successfully by truckers.

**Special side hoes** are used to cut the surface close to the young beets, without injuring the plants by throwing soil on them—at the same time three  $1\frac{1}{4}$  inch teeth thoroughly cultivate the soil in the middle.

**A rear sweep, 8 inch,** destroys all remaining weeds, gives that much extra cultivation and turns loose,

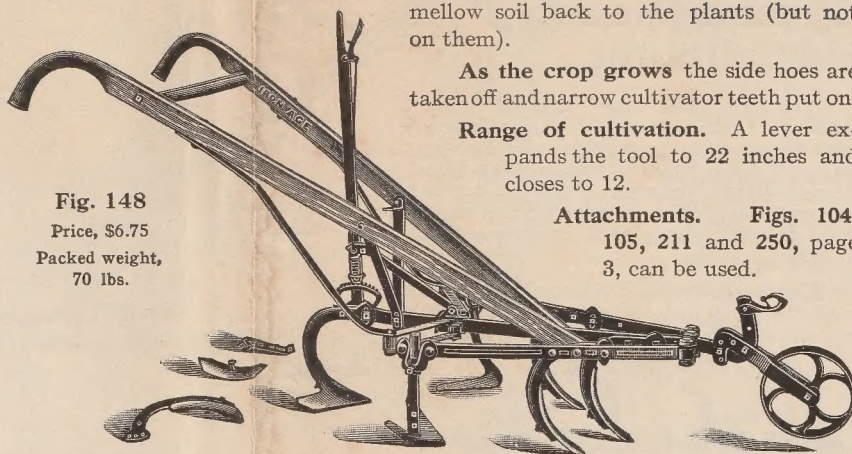
mellow soil back to the plants (but not on them).

**As the crop grows** the side hoes are taken off and narrow cultivator teeth put on.

**Range of cultivation.** A lever expands the tool to 22 inches and closes to 12.

**Attachments.** Figs. 104, 105, 211 and 250, page 3, can be used.

**Fig. 148**  
Price, \$6.75  
Packed weight,  
70 lbs.



## No. 36 Horse Hoe and Cultivator

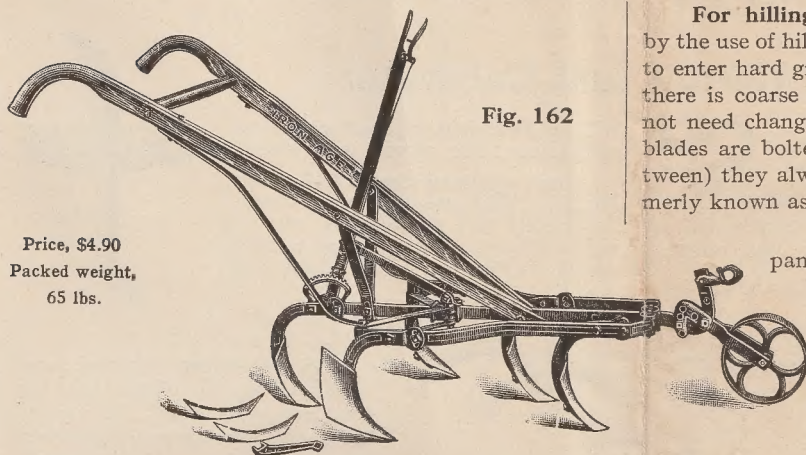
**For hilling crops,** Fig. 162 is especially adapted by the use of hilling blades. They are pointed and shaped to enter hard ground—they will not clog in sod or where there is coarse manure—because of their shape they do not need change of angle as on other horse hoes—as the blades are bolted to the standards direct (no blocks between) they always keep in position when working. Formerly known as the "Acme."

**Range of cultivation.** The lever expands the tool to 24 inches and closes to 9.

**Attachments.** Figs. 104, 105, 188, 211 (or 212) and 250, on page 3, can be applied.

**Fig. 162**

Price, \$4.90  
Packed weight,  
65 lbs.



## No. 37 Cultivator

**For light, sandy soils,** such as are common to the South Atlantic and Gulf States. It cannot be guaranteed for other sections or in different soils. Made along the same lines as our "Light Dixie," well known to the trade in past years. A light weight tool of high grade materials and well put together.

**Equipment.** Is usually furnished plain, as in Fig. 163, but may be purchased with lever expander, horse hoe attachment and plain wheel. Also, with bent side bars in place of straight, if wanted.

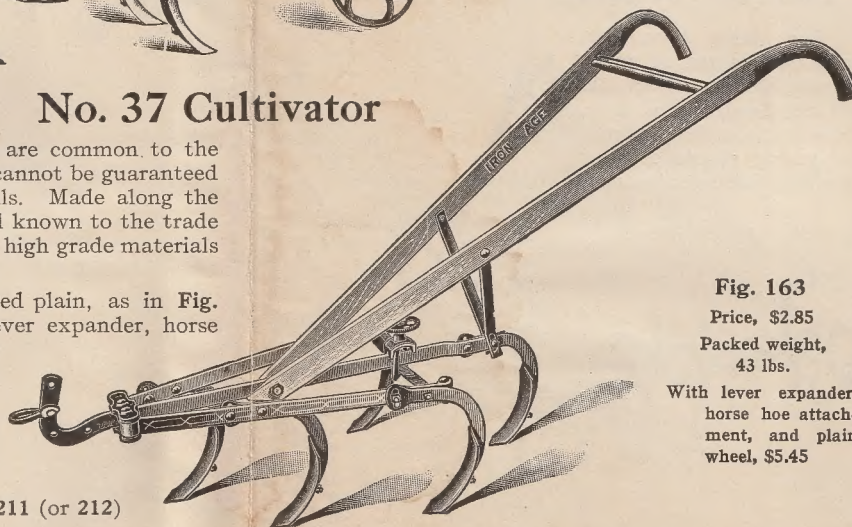
**Range of cultivation.** A clamp expander opens the tool to 20 inches and closes it to 9.

**Attachments.** Figs. 104, 105, 211 (or 212) and 250, on page 3, can be applied.

**Fig. 163**

Price, \$2.85  
Packed weight,  
43 lbs.

With lever expander,  
horse hoe attachment,  
and plain  
wheel, \$5.45





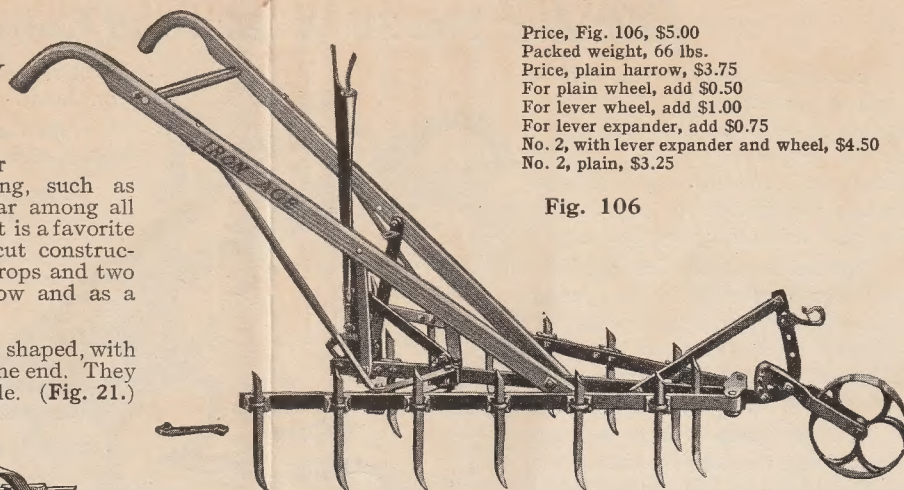
## IRON AGE No. 1 Combined Harrow and Cultivator

Another tool for sugar beets and miscellaneous farming, such as small fruits, etc. Is very popular among all farmers. A combination tool that is a favorite because of its high frame, clean cut construction and adaptation for many crops and two kinds of cultivation, as a harrow and as a cultivator.

The teeth are steel, diamond shaped, with small cultivator point forged on one end. They are adjustable for depth and angle. (Fig. 21.)



Fig. 21  
Showing adjustment of teeth.



Price, Fig. 106, \$5.00  
Packed weight, 66 lbs.  
Price, plain harrow, \$3.75  
For plain wheel, add \$0.50  
For lever wheel, add \$1.00  
For lever expander, add \$0.75  
No. 2, with lever expander and wheel, \$4.50  
No. 2, plain, \$3.25

Fig. 106

**Range of cultivation.** With lever expander, as in Fig. 106, the tool opens to 34 inches and closes to 11. With plain expander, cultivates 38 inches wide. For close work the operator can take off as many teeth as he thinks best.

## No. 2 Combined Harrow and Cultivator

Same as No. 1, except it has 13 double end teeth like Fig. 87, in place of those shown in Fig. 106, and the teeth are adjustable for depth only. Many do not care for the adjustment for angle and prefer to have teeth with two cultivator points.

**Equipment.** Both machines are shipped regular with lever expander and plain wheel, but



Fig. 86  
Price, \$0.95

will be furnished without either, or with either alone, or with lever wheel.

**Sure death to weeds and grass.**  
**Fig. 86.** This attachment is a wide, flat sweep on a high arched, adjustable standard, to be attached to rear end of middle bar. Fits either No. 1 or No. 2.

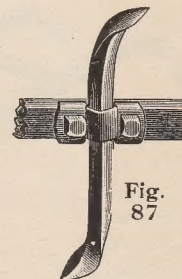


Fig. 87

## No. 38 Weeder and Harrow

For deep, thorough, level cultivation of sugar beets. Side hoes cut the surface, close to the crop, throwing the soil away from the young plants so that they will not be injured.

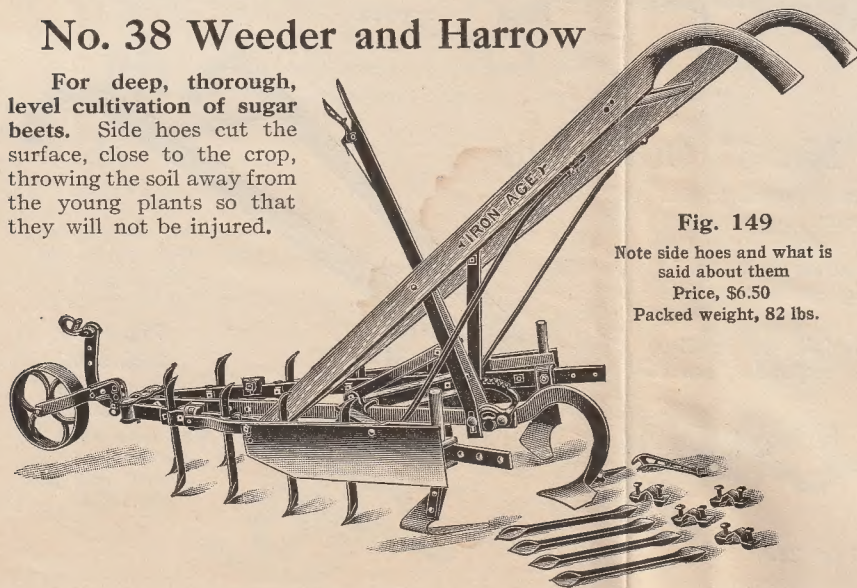


Fig. 149

Note side hoes and what is said about them  
Price, \$6.50  
Packed weight, 82 lbs.

**A rear sweep** turns the loose soil back to the plants but not on them—this leaves the surface level and yet thoroughly stirred several inches deep by the harrow teeth. Fig. 87 shows the double end teeth.

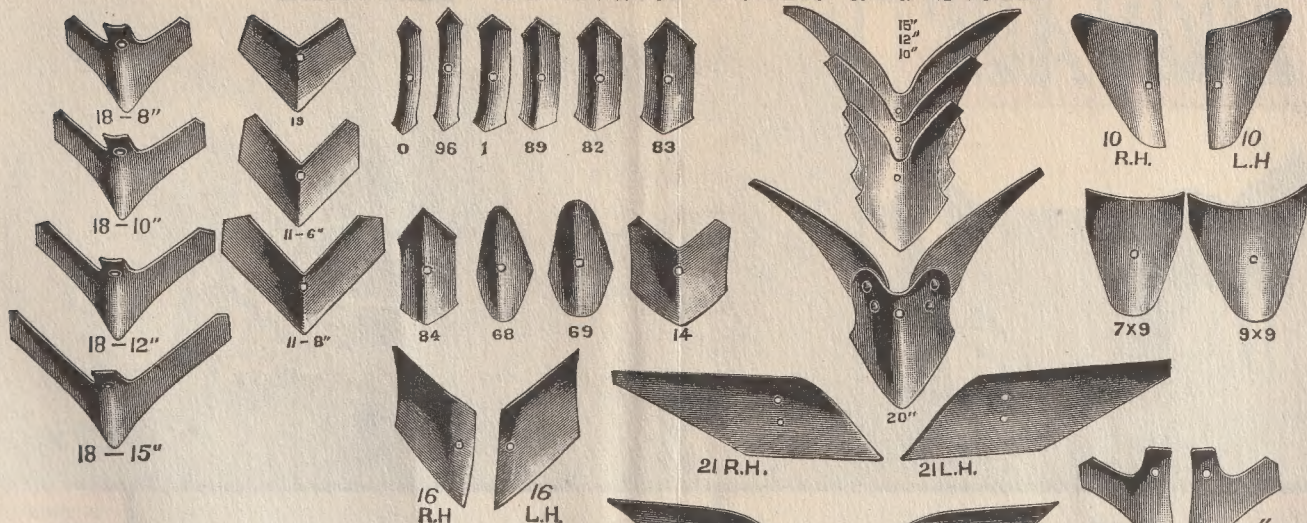
**Steel fenders** protect the plants against stones, lumps of dirt and loose soil. They adjust themselves to the surface of the ground.

**Range of cultivation.** A lever expands to 29 inches and closes to 14. Is used as a regular harrow when the crop is far enough along. The fenders are removed and teeth substituted in place of the side hoes and sweep.

The side hoes are also sold as an attachment. (Fig. 212 on page 3.)



# IRON AGE Cultivator Points and Steels



## PRICES

No. 0, 1 1/4 in....	\$0.10
" 96, 1 1/2 " ....	.10
" 1, 2 " ....	.10
" 89, 2 1/2 " ....	.10
" 82, 3 " ....	.11
" 83, 3 1/2 " ....	.13
" 84, 4 " ....	.14
" 68, 4 " ....	.12
" 69, 4 1/2 " ....	.14
" 10, R. or L....	.25
" 11, 6 in....	.25
" 11, 8 " ....	.30

No. 12, R. or L....	\$0.30
" 14, 7 in....	.25
" 16, R. or L....	.25
" 18, 8 in....	.28
" 18, 10 " ....	.32
" 18, 12 " ....	.38
" 18, 15 " ....	.45
" 19, ....	.30
" 21, R. or L....	.50
" 23, 6 in. R. or L.	.26
" 23, 7 " ....	.30
" 23, 8 " ....	.35
" 23, 9 " ....	.40

10-in. Furrower .....	\$0.90
12 " " .....	1.10
15 " " .....	1.40
20 " " Imp. with	
point and bolt (No cut)	2.25
Reversible point and bolt	
for above.....	.25
20-in. Furrower, reg....	1.75
Shovel Blade, 7 x 9.....	.40
" " 9 x 9.....	.50



Harroing Strawberries—Gives Level Culture, Keeps the Weeds Down



# IRON AGE



ONE OF  
THE FIRST  
IRON AGE  
CULTIVATORS  
AND  
ITS OWNER  
IN THE FIELDS  
OF THE

THE  
BETTER  
BETTER

THE  
BETTER  
BETTER



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Property of J. J. J. J.